

CURRICULUM VITAE

Name: Charles Joseph Coté, M.D.
Date of Birth: ---
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Education:

--- A.B. College of the Holy Cross, Worcester, MA
--- M.D. Albany Medical College of Union University, Albany, NY

Internship and Residencies

--- Intern in Pediatrics, Boston Floating Hospital for Infants and Children, Tuft's New England Medical Center, Boston, MA
--- Resident in Pediatrics, Boston Floating Hospital for Infants and Children, Tuft's New England Medical Center, Boston, MA
--- Resident in Anesthesiology, Hospital of the University of Pennsylvania, Philadelphia, PA
--- Fellow in Pediatric Anesthesiology and Pediatric Critical Care, Children's Hospital of Philadelphia and the Hospital of the University of Pennsylvania, Philadelphia, PA

Licensure and Certification:

Massachusetts License Registration, No. --
Pennsylvania License Registration, No. ---
Diplomate, American Board of Anesthesiology, No. ---
Diplomate, American Board of Pediatrics, No. ---
Certificate of Competence, Critical Care Medicine, American Board of Anesthesiology
Illinois License Registration, No. ---
Recertified, American Board of Anesthesiology

Awards and Honors:

1972 Dagget Prize for Excellence in Clinical Care, Albany Medical College
First Place, Residents' Research Essay Contest, American Society of Anesthesiologists
Second Place, Residents' Research Contest, Philadelphia Society of Anesthesiologists
1977 First Place, Scientific Exhibit, American Society of Anesthesiologists
1980 Starter Grant Award, American Society of Anesthesiologists
1980 Milton Fund Grant, Harvard University
1983 First Place, Scientific Exhibit, American Society of Anesthesiologists

Military Service:

1977-1979 Staff Anesthesiologist, U.S. Naval Regional Medical Center, Portsmouth VA (Lieutenant Commander)

Academic Appointments:

1979-1980 Instructor in Anaesthesia at Massachusetts General Hospital, Harvard Medical School, Boston, MA

- 1980-1986 Assistant Professor of Anaesthesia at Massachusetts General Hospital, Harvard Medical School, Boston, MA
- 1986-1993 Associate Professor of Anaesthesia at Massachusetts General Hospital, Harvard Medical School, Boston, MA
- 1993-1994 Clinical Professor of Anesthesia, Northwestern University Medical School, Chicago, IL
- 1994- Professor of Anesthesiology and Pediatrics, Northwestern University Medical School, Chicago, IL

Hospital Appointments:

- 1979-1981 Assistant Anesthetist, Shriners Burns Institute, Boston, MA
- 1979-1983 Assistant Anesthetist, Massachusetts General Hospital, Boston, MA
- 1982-1993 Associate Anesthetist, Shriners Burns Institute, Boston, MA
- 1984-1993 Associate Anesthetist, Massachusetts General Hospital, Boston, MA
- 1993- Vice Chairman, Director of Research, Dept. of Anesthesiology, Children's Memorial Hospital, Chicago, IL
- 1994-1997 Northwestern University Intramural Research Grant Committee

Outside Appointments:

- 2001- Medical Advisor for Anesthesiology to the National Shriner's Hospital Organization, Tampa, FLA
- 2002- Consultant, Anesthesiology and Respiratory Therapy Devices Panel of the Medical Devices Advisory Committee, Center for Diseases and Radiological Health, Food and Drug Administration
- 2003 Consultant, Best Pharmaceuticals for Children Act drug prioritization process, National Institute of Child & Human Development, National Institutes of Health

Principal Clinical and Hospital Service Responsibilities:**Massachusetts General Hospital:**

- 1981 Co-Moderator, Educational Unit, Pediatrics, Department of Anesthesia, Massachusetts General Hospital
- 1981-1988 Co-Director, Harvard Medical School Postgraduate Course, Practical Aspects of Pediatric Anesthesia
- 1981-1993 Faculty Resident Advisor, Department of Anesthesia, Massachusetts General Hospital
- 1984 Moderator and Organizer, three-week Education Unit on Blood, Department of Anesthesia, Massachusetts General Hospital
- 1986-1993 Tutor for starting residents, Department of Anesthesia, Massachusetts General Hospital
- 1986-1993 Clinical Practices and Patient Safety Committee
- 1988-1991 Anesthesia Representative to the Pediatric Unit Chiefs Meeting
- 1981-1987 Capital Equipment Committee
- 1987-1993 Clinical Practices and Patient Safety Committee

Children's Memorial Hospital:

- 1993- Director of Research, Department of Anesthesiology
- 1994-1996 Multidisciplinary Sedation Quality Improvement Project Team
- 1996-1997 Animal Care Committee
- 1996 Chairman, Sedation Task Force
- 1998- Credentials Committee

- 2001- Library Advisory Committee
- 2001- Academic Technical Advisory Group
- 2001- Search Committee for CMH Director of Clinical Research

Major Committee Assignments:

Regional and National

- 1983-1985 Member, Ad Hoc Committee to Establish Guidelines for Conscious Sedation in Dental Practice and Outpatients, American Academy of Pediatrics, Food and Drug Administration
- 1984-1986 Representative-at-Large, Section on Anesthesiology, American Academy of Pediatrics
- 1986-1987 Representative-at-Large, Society for Pediatric Anesthesia
- 1986-1988 Secretary and Program Chairman, Section on Anesthesiology, American Academy of Pediatrics
- 1988-1990 Vice-Chairman and Treasurer, Section on Anesthesiology, American Academy of Pediatrics
- 1988-2000 Liaison for Section on Anesthesiology to Committee on Drugs, American Academy of Pediatrics
- 1988-2002 Chairman, Committee on Drugs, Section on Anesthesiology, American Academy of Pediatrics
- 1989 Joint Workshop Committee on Drugs, American Academy of Pediatrics and Food and Drug Administration. "Orphan Drugs and the Pediatric Anesthesiologist"
- 1990-1992 Liaison for Section of Anesthesiology, American Academy of Pediatrics to Society for Pediatric Anesthesia
- 1990-1992 Revision of Guidelines for Conscious Sedation, American Academy of Pediatrics
- 1990-1992 Chairman, Section on Anesthesiology, American Academy of Pediatrics
- 1990-1992 Liaison between Committee on Drugs, American Academy of Pediatrics and Committee on Standards, American Society of Anesthesiologists
- 1992 Panelist, American Heart Association National Emergency Care Committee, "Pediatric airway control and ventilation," Dallas, TX
- 1992-1993 Member, Subcommittee on Pediatric Anesthesia, American Society of Anesthesiologists
- 1992-1996 Representative for North America to Committee on Pediatric Anesthesia, World Federation of Societies of Anesthesiologists
- 1992-1997 Member, Advisory Panel on Anesthesiology, United States Pharmacopeia General Committee of Revision
- 1992 Contributing Editor, Textbook of Pediatric Advanced Life Support, American Heart Association, American Academy of Pediatrics
- 1993-1995 Member, Task Force on Sedation by non-Anesthesiologists, American Society of Anesthesiologists
- 1994 Pediatric Sedation Advisory Committee member - Anesthesia & Life Support Drugs, Food and Drug Administration
- 1997 Member, Anesthesia Patient Safety Committee, American Society of Anesthesiologists
- 1999 Member, Task Force on Conscious Sedation, American Society of Anesthesiologists
- 2001-2003 Member, Committee on Patient Safety and Risk Management, American Society of Anesthesiologists
- 2001-2003 Member, Committee on Overseas Anesthesia Teaching Programs, American Society of Anesthesiologists
- 2003- Member, Executive Committee, Section on Clinical Pharmacology & Therapeutics, American Academy of Pediatrics
- 2003- AAP Liaison to the American College of Surgeons Resolution on Office-Based Surgery, Principles, and Model State Legislation

International

- 1996-2000 Chairman, Pediatric Committee for the World Federation of Societies of Anesthesiologists (WFSA)
2000-2008 Executive Committee of the World Federation of Societies of Anesthesiologists (WFSA)

Memberships, Offices, and Committee Assignments in Professional Societies:

- 1977- American Society of Anesthesiologists
1978- American Academy of Pediatrics
1979- Massachusetts Society of Anesthesiologists
1979- International Anesthesia Research Society
1981-1985 American Medical Association
1986-1988 Secretary/Program Chairman, Section on Anesthesiology, American Academy of Pediatrics
1986-1990 American Society of Critical Care Anesthesiologists
1986- Society for Pediatric Anesthesia
1987- Massachusetts Medical Society
1988-1990 Vice-Chairman, Section on Anesthesiology, American Academy of Pediatrics
1989- Association of University Anesthesiologists
1990-1992 Chairman, Section on Anesthesiology, American Academy of Pediatrics
1990-2000 Liaison, Committee on Drugs, American Academy of Pediatrics
1990-1992 Liaison, Society for Pediatric Anesthesia
1992-1994 American Dental Society of Anesthesiologists
1992-1994 American Heart Association, Emergency Cardiac Care Committee, Subcommittee on Pediatric Resuscitation
1993-1994 American Heart Association, National Emergency Cardiac Care, National Faculty Member
1993- Illinois Society of Anesthesiologists, Inc.
1994-1996 American Society of Anesthesiologists, Committee on Pediatric Anesthesia (Annual Meeting)
1997- Association of Paediatric Anaesthetists of Great Britain and Ireland

Journal Reviewer:

- Anesthesiology
- Anesthesia and Analgesia
- Pediatric Emergency Care
- Journal of Clinical Anesthesia
- Clinical Pediatrics
- Pediatrics
- Paediatric Anaesthesia
- Journal of Pediatrics
- The Joint Commission on Accreditation of Healthcare Organizations Journal on Quality Improvement
- Medical and Pediatric Oncology: An International Journal
- Drug Safety

Book Review:

- Fleischer GR, Strauss BS, Shannon M, Damian F. Guidelines for Pediatric Sedation. American College of Emergency Physicians, Dallas, 1995

Editorial Board:

- 1993- Section on Pediatric Anesthesia, Journal of Clinical Anesthesia
- 1995- Paediatric Anaesthesia
- 1999- Chairperson Editorial Board of Paediatric Anaesthesia

Major Research Interests:

- Sedation by non-anesthesiologists - Epidemiology of sedation accidents.
- New anesthetic agents, muscle relaxants, analgesics, opioids, others
- Pediatric pharmacology.
- New monitoring techniques.
- Drug safety and drug approval for children.
- Pediatric airway anatomy and airway management techniques.
- Pulse oximetry and capnography in the operating room and in non-operating room venues.
- Massive blood transfusion in children.
- Interaction between anesthetic agents, ionized hypocalcemia, and cardiac function.

Research Grants:

External Funding

- 1977 Principal Investigator, ---, Internal Jugular Venous Catheterization in Children using the Seldinger Technique
- 1982 Co Investigator, ---, Clinical Pharmacology of Atracurium (BW 33A) in Adolescents Anesthetized with Halothane
- 1983-1985 Principal Investigator, ---, ---: Critical Evaluation of Transfusion Therapy in Children in need of Blood Transfusions
- 1984 Principal Investigator, ---, Capnography Monitoring during Anesthesia for Children
- 1986-1987 Principal Investigator, ---, Pulse Oximetry Monitoring – A Randomized Blinded Trial of Anesthetized Children
- 1987-1988 Principal Investigator, ---: The Evaluation of Coagulation Factor Kinetics and Dynamics in Burned and Unburned Children
- 1989 Principal Investigator, ---, The Speaking Endotracheal Tube in Children with Long Term Endotracheal Intubation
- 1989-1990 Principal Investigator, ---: Cardiac Function during Halothane, Enflurane, Isoflurane, and Narcotic Anesthesia: The Interaction with Citrate Induced Ionized Hypocalcemia in the Isolated Rat Heart Preparation
- 1989-1990 Principal Investigator, ---: A Prospective Evaluation of Combined Pulse Oximetry and Expired Carbon Dioxide Monitoring in Anesthetized Pediatric Patients
- 1990-1991 Principal Investigator, ---: A Comparison of Desflurane and Halothane in Pediatric Patients (preclinical Phase III investigation)
- 1990-1991 Principal Investigator, ---: A Prospective Evaluation of Anesthetic Agent Analyzer in Pediatric Anesthesia
- 1993-1994 Principal Investigator, ---: A Randomized, Double-Blind, Placebo-Controlled, Multicenter Study of Intravenous Ondansetron and the Treatment of Postoperative Emesis in Pediatric Patients undergoing Outpatient Surgery (---)(preclinical Phase III investigation)
- 1994-1995 Principal Investigator, ---: A Randomized Study of Remifentanyl in Pediatric Patients Undergoing Ophthalmologic Surgery (---) (preclinical Phase III investigation)
- 1994-1995 Principal Investigator, ---: The Efficacy of the Fentanyl Oralet[®] for Post-Operative Analgesia in Pediatric Patients Undergoing Tonsillectomy

- 1995 Principal Investigator, ---: A Prospective Comparison of the Ohmeda 7900 Ventilator versus the Currently Available 7800 Ventilator, an Upgrade in Ventilator Technology
- 1995 Co-Investigator, Equipment grant from ---: The Evaluation of Rocuronium vs. Succinylcholine for Rapid Sequence Intubation in Children
- 1995 Principal Investigator, drug grant from ---: Analgesic Pharmacodynamic and Pharmacokinetics of Acetaminophen for Treatment of Post-Myringotomy Pain
- 1996-1997 Principal Investigator, ---: A Comparative, Multi-Center Study to Confirm the Efficacy and Safety of the Age-Related Intubating Doses of I.M. Zemuron™ versus a Low Intubating Dose of I.V. Zemuron™ in Two Groups of Pediatric Subjects (---)(preclinical Phase III investigation)
- 1996-1999 Principal Investigator, ---: The Developmental Pharmacokinetics of Ketorolac in Pediatric Surgical Patients (Phase IV investigation)
- 1996 Principal Investigator, ----: Fentanyl Oralet® Uptake Kinetics
- 1997 Principal Investigator, ---: The Efficacy and Safety of Three Single Oral Doses of Midazolam Syrup in Pediatric Patients (preclinical Phase III investigation of oral syrup formulation)
- 1998 Principal Investigator, ---: A Comparative Multi-Center Study to Confirm the Efficacy and Safety of the Age Related Doses of I.M. Org 9487 in Two Groups of Pediatric Subjects (preclinical Phase III investigation)
- 1998-2001 Principal Investigator, ---: A Prospective Evaluation of an Upgrade in Oxygen Saturation Monitoring, Comparison of Masimo Vs. Nellcor in the Operating Room
- 1999 Principal Investigator, ---: Evaluation of the Safety Profile and Clinical Effectiveness of Oral Tramadol Hydrochloride Tablets for the Treatment of Postsurgical Pain in Children & Adolescents Aged Seven to Sixteen Years (---)(preclinical Phase III investigation)
- 1999 Principal Investigator, ---: Evaluation of the Safety Profile of Oral Tramadol Hydrochloride for the Treatment of Painful Conditions in Children and Adolescents Aged Seven to Sixteen Years (---)(preclinical Phase III investigation)
- 1999 Co-Investigator, Equipment grant, ---: Age Related Differences in Bispectral Index Values under General Anesthesia with Isoflurane and Caudal Blockade
- 1999 Principal Investigator, ---: Comparative Evaluation of the Clinical Performance of Four Pulse Oximetry Devices in a Pediatric Population
- 2000 Co-Investigator, Equipment grant from ---: Teaching the use of fiberoptic intubation in children: traditional versus video-assisted technique
- 2000 Principal Investigator, ---: Evaluation Of The Safety Profile And Clinical Effectiveness Of Two Dosing Levels Of Oral Tramadol Hydrochloride With Acetaminophen For The Treatment Of Postsurgical Pain In Adolescents Aged Twelve To Sixteen Years (---) (preclinical Phase III investigation)
- 2001 Principal Investigator, Equipment grant from ---: Examination of the Accuracy of End-Tidal CO₂ Monitoring in Pediatric Patients: A Comparison with Arterial Blood Gases.
- 2001 Principal Investigator, Equipment grant from ---: Evaluation of CO₂ Monitoring in Children Sedated for Evoked Auditory Brainstem Responses (ABR) under Chloral Hydrate Sedation.
- 2001 Principal Investigator, Equipment grant from ---: The Evaluation of the Oridion Carbon Dioxide/ Oxygen Administration Nasal Prongs - Short and Long Tubing.
- 2001 Principal Investigator, Equipment grant from ---: Evaluation of Two Brands of End-Tidal Carbon Dioxide/Oxygen Administration Catheters in Children Sedated for Endoscopic Procedures (---)
- 2001 Principal Investigator, ---: A Study to Assess the Safety, Dose Conversion and Titration of Duragesic® (Fentanyl Transdermal System) in Pediatric Subjects with Chronic Pain Requiring Opioid Therapy. (Preclinical Phase III investigation)
- 2001 Principal Investigator, ---: Pharmacokinetic Study of E-TRANS® (fentanyl) System 25 µg in Pediatric Intra-Operative Patients. (Preclinical Phase II investigation)
- 2001-2002 Principal Investigator, ---: A Phase IV Multicenter Two-Arm Single Dose Pharmacokinetic Study of Intravenous Zofran in Pediatric Surgical Patients from One Month to Twenty-four Months of Age (A Phase IV investigation new indication for this age group)

- 2002 Principal Investigator, A Randomized, Double-blind, Placebo-controlled, Multi-Center study of Intravenous Ondansetron Hydrochloride 0.1 mg/kg for the Prevention of Postoperative Emesis in Pediatric Surgical Subjects Age 1 Month to 24 Months Who Are Undergoing Routine Surgery Under General Anesthesia
- 2003 Principal Investigator, A Multi-center, Inpatient, Open-Label, Dose-Ranging Study to Characterize the Pharmacokinetics and Safety of an Oral Liquid Formulation of Oxycodone in Patients from Birth to 4 Years of Age, Who Require Opioid Analgesia, ---
- 2003 Co-Investigator, A Prospective Evaluation of a Century™ Vigilance Monitor Hoana Medical, Inc. and its Ability to Measure Heart Rate and Respiratory Rate Using A Pad that is placed Under the Linen of the Bed for Patients Undergoing Sleep Lab Evaluation for Abnormalities of Respiration

Non-Funded or Internally Funded Studies

- 1977 Principal Investigator, Vasodilator Response to Intravenous 25% Mannitol in Humans and in a Rabbit Model
- 1980 Co-Investigator: Pharmacodynamics/Dose-Response of Oral Cimetidine in Children for Acid Aspiration Prophylaxis
- 1980 Principal investigator: Gastric Volume and pH in Single vs. Multi-Anesthetized Pediatric Patients
- 1981 Principal Investigator: A Dose-Response to Intravenous Thiopental in Children
- 1981 Co-Investigator: A Dose Response to Intravenous Methohexital in Children
- 1981 Principal Investigator: Wasted Ventilation with Multiple Pediatric Anesthetic Circuits
- 1981 Principal Investigator: Dose-Response to Thiopental in Children Following Burn Injury
- 1982 Principal Investigator: Changes in Platelet Counts in Children with Massive Blood Transfusion
- 1982 Co-Investigator: Apnea in Former Preterm and Term Infants
- 1985 Principal Investigator: Percutaneous Cricothyrotomy with Simple Intravenous Equipment (dog model)
- 1988 Principal Investigator: Changes in Prothrombin and Partial Thromboplastin Times During Massive Blood Transfusion in Children
- 1988 Principal Investigator: Effects of Changes in Fresh Gas Flow on Ventilator Function
- 1990 Principal Investigator: Dead Space Ventilation Effect of Fresh Gas Flow and Respiratory Rate
- 1995 Co-Investigator: Pharmacokinetics of Three Doses of Rectal Acetaminophen
- 1996 Co-Investigator: Pregnancy Testing in Menarchal Females Presenting for Elective Surgery
- 1997 Co-Investigator: Postoperative Delirium in Children Following Administration of Inhalation Anesthetics
- 1997 Co-Investigator: Pain Management in Children Undergoing Tympanomastoid Surgery: Is a Local Nerve Block Superior to Opioids?
- 1997 Co-Investigator: Postoperative Pain Management in Children Undergoing Endoscopic Sinus Surgery: Is a Local Nerve Block Superior to Opioids?
- 1998 Co-Investigator: A Bronchoscopic, Computer-Assisted Examination of the Changes in Head Position in Infants with Tracheal Pathology
- 1998 Co-Investigator: A Bronchoscopic, Computer-Assisted Examination of the Changes in Dimension of the Preterm Infant Tracheal Lumen with Changes in Head Position
- 1999 Co-Investigator, Rectal Acetaminophen Dosing in Children: Effect of Number of Suppositories Administered on Pharmacokinetics
- 1999 Co-Investigator, Great Auricular Nerve Block for Post-Operative Pain Management in Children Undergoing Tympanomastoid Surgery: Is There a Role for Preemptive Analgesia?
- 1999 Co-Investigator, Pain Management in Children Undergoing Occipital Ventriculo-peritoneal Shunt Insertions
- 1999 Co-Investigator, Pain Management in Infants Undergoing Primary Cleft Lip Repair: Can a Local Block Improve Their Postoperative Outcome?

- 1999 Co-Investigator, Pain Management in Children Undergoing Revision of Primary Cleft Lip Repair: Can a Local Block Improve Their Postoperative Outcome?
- 1999 Co-Investigator, Pain Management in Children Undergoing Frontal Ventriculo-peritoneal Shunt Insertions
- 1999 Co-Investigator, Oral Fentanyl Uptake Kinetics
- 2000 Co-Investigator, Pain Management in Children Undergoing Posterior Fossa Decompression
- 2000 Co-Investigator, Does Clonidine 2mcg/kg Enhance the Analgesia of a Caudal Block with Bupivacaine 0.125% and Epinephrine?
- 2000 Co-Investigator, Uptake Kinetics of Oral Administration of the Intravenous Formulation of Fentanyl
- 2001 Co-Investigator, Comparative Uptake and Elimination of Three Brands of Rectal Acetaminophen
- 2003 Principal Investigator, Cerebral Spinal Fluid Volume in Children of Varying Age: Implications for Spinal Anesthesia

Original Reports:

1. Thompson EM, Coté CJ. Conduction velocities in ulnar motor nerve using two separate muscles as indicators. *South Med J* 1970; 63:700-3.
2. Coté CJ. Case report: Nyldrin (Arlidin) poisoning. *Pediatrics* 1974; 53:570-571.
3. Coté CJ, Meuwissen HJ, Pickering RJ. Effects on the neonate of prednisone and azathioprine administered to the mother during pregnancy. *J Pediatr* 1974; 85:32-48.
4. Coté CJ, Kenepp NB, Reed SB, Strobel GE. Trace concentrations of halothane found in human breast milk. *Br J Anaesth* 1976; 48:541-543.
5. Coté CJ. The anesthetic management of congenital lobar emphysema. *Anesthesiology* 1978; 49:296-298.
6. Coté CJ, Greenhow DE, Marshall BE. The hypotensive response to rapid intravenous administration of hypertonic solutions in man and in the rabbit. *Anesthesiology* 1979; 50:30-35.
7. Coté CJ, Jobes DR, Schwartz AJ, Ellison N. Two approaches to cannulation of a child's internal jugular vein. *Anesthesiology* 1979; 50:371-373.
8. Goudsouzian NG, Coté CJ, Liu LMP, Dedrick DF. The dose response effects of oral cimetidine on gastric pH and volume in children. *Anesthesiology* 1981; 55:533-536.
9. Coté CJ, Goudsouzian NG, Liu LMP, Dedrick DF, Rosow CE. The dose response of intravenous thiopental for the induction of general anesthesia in unpremedicated children. *Anesthesiology* 1981; 55:703-705.
10. Goudsouzian NG, Liu LMP, Coté CJ. Comparison of equipotent doses of nondepolarizing muscle relaxants in children. *Anesth Analg* 1981; 60:862-866.
11. Coté CJ, Goudsouzian NG, Liu LMP, Dedrick DF, Szyfelbein SK. Assessment of risk factors related to the acid aspiration syndrome in pediatric patients gastric pH and residual volume. *Anesthesiology* 1982; 56:70-72.
12. Coté CJ, Petkau AJ, Ryan JF, Welch JP. Wasted ventilation measured in vitro with eight anesthetic circuits with and without inline humidification. *Anesthesiology* 1983; 59:442-446.

13. Goudsouzian NG, Liu LMP, Coté CJ, Gionfriddo M, Rudd GD. Safety and efficacy of atracurium in adolescents and children anesthetized with halothane. *Anesth Analg* 1983; 59:459-462.
14. Liu LMP, Coté CJ, Goudsouzian NG, Ryan JF, Firestone S, Dedrick DF, Liu PL, Todres ID. Life-threatening apnea in infants recovering from anesthesia. *Anesthesiology* 1983; 59:506-510.
15. Baudendistel L, Goudsouzian NG, Coté CJ, Strafford M. End tidal CO₂ monitoring. Its use in the diagnosis and management of malignant hyperthermia. *Anaesthesia* 1984; 39:1000-1003.
16. Coté CJ, Liu LMP, Szyfelbein SK, Goudsouzian NG, Daniels AL. Changes in serial platelet counts following massive blood transfusion in pediatric patients. *Anesthesiology* 1985; 62:197-201.
17. Coté CJ, Petkau AJ. Thiopental requirements may be increased in children reanesthetized at least one year after recovery from extensive thermal injury. *Anesth Analg* 1985; 64:1156-1160.
18. Coté CJ, Liu LMP, Szyfelbein SK, Firestone S, Goudsouzian NG, Welch JP, Daniels AL. Intraoperative events diagnosed by expired carbon dioxide monitoring in children. *Can Anaesth Soc J* 1986; 33:315-320.
19. Coté CJ, Drop LJ, Daniels AL, Hoaglin DC. Calcium chloride versus calcium gluconate: comparison of ionization and cardiovascular effects in children and dogs. *Anesthesiology* 1987; 66:465-470.
20. Coté CJ. Depth of halothane anesthesia potentiates citrate induced ionized hypocalcemia and adverse cardiovascular events in dogs. *Anesthesiology* 1987; 67:676-680.
21. Coté CJ, Goldstein EA, Coté MA, Hoaglin DC, Ryan JF. A single-blind study of pulse oximetry in children. *Anesthesiology* 1988; 68:184-188.
22. Coté CJ, Drop LJ, Hoaglin DC, Daniels AL, Young ET. Ionized hypocalcemia after fresh frozen plasma administration to thermally injured children: effects of infusion rate, duration, and treatment with calcium chloride. *Anesth Analg* 1988; 67:152-160.
23. Coté CJ, Eavey RD, Todres ID, Jones D. Cricothyroid membrane puncture: oxygenation and ventilation in a dog model using an intravenous catheter. *Crit Care Med* 1988; 16:615-619.
24. Coté CJ, Goldstein EA, Fuchsman WH, Hoaglin DC. The effect of nail polish on pulse oximetry. *Anesth Analg* 1988; 67:683-686.
25. Coté CJ, Kelly DH. Postoperative apnea in a full-term infant with a demonstrable respiratory pattern abnormality. *Anesthesiology* 1990; 62:559-561.
26. Coté CJ, Rolf N, Liu LM, Goudsouzian NG, Ryan JF, Zaslavsky A, Gore R, Todres ID, Vassallo S, Polaner D, Alifimoff JK. A single-blind study of combined pulse oximetry and capnography in children. *Anesthesiology* 1991; 74:980-987.
27. Rolf N, Coté CJ. Persistent cardiac arrhythmias in pediatric patients: effects of age, expired carbon dioxide values, depth of anesthesia, and airway management. *Anesth Analg* 1991; 73:720-724.
28. Daniels AL, Coté CJ, Polaner D. Continuous oxygen saturation following rectal methohexitone induction in paediatric patients. *Can J Anaesth* 1992; 39:27-30.

29. Moynihan R, Coté CJ. Fresh gas flow changes during controlled mechanism ventilation with the circle breathing circuit have significantly greater effects on the ventilatory parameters of toddlers compared to children. *Paediatr Anaesth* 1992; 2:211-215.
30. Rolf N, Coté CJ. Frequency and severity of desaturation events during general anesthesia in children with and without upper respiratory infections. *J Clin Anesth* 1992; 4:200-203.
31. Zwass MS, Fisher DM, Welborn LG, Coté CJ, Davis PJ, Dinner M, Hannallah RJ, Liu LMP, Sarner J, McGill WA, Alifimoff JK, Embree PB, Cook, DR. Induction and maintenance characteristics of anesthesia with desflurane and nitrous oxide in infants and children. *Anesthesiology* 1992; 76:373-378.
32. Coté CJ, Daniels AL, Connolly M, Szyfelbein SK, Wickens CD. Tongue oximetry in children with extensive thermal injury: Comparison with peripheral oximetry. *Can J Anaesth* 1992; 39:454-457.
33. Rolf N, Coté CJ. Diagnosis of clinically unrecognized endobronchial intubation in paediatric anaesthesia: Which is more sensitive, pulse oximetry or capnography? *Paediatr Anaesth* 1992; 2:31-35.
34. Coté CJ. Pediatric breathing circuits and anesthesia machines. *Int Anesthesiol Clin* 1992; 30:51-61.
35. Coté CJ. Oxygenation and pediatric anesthesia. *Curr Opin Anesth* 1993, 6:532-536.
36. Coté CJ. Sedation for the pediatric patient: A Review. *Pediatr Clin North Am* 1994; 41:31-58.
37. Coté CJ, Zaslavsky A, Downes JJ, Kurth CD, Welborn LG, Warner LO, Malviya SV. Postoperative apnea in former preterm infants following inguinal herniorrhaphy-A combined analysis. *Anesthesiology* 1995; 82:809-822.
38. Stevenson GW, Horn BJ, Tobin MJ, Raffensperger JG, Coté CJ, Hall SC. Urgent separation of premature omphalopagus conjoined twins with bowel obstruction. *Am J Anesth* 1996; 23:75-79.
39. Striker TW, Coté CJ. Perspectives on guidelines for monitoring the sedated pediatric patient. *Am J Anesth* 1996; 23:190-194.
40. Birmingham PK, Dsida RM, Grayhack JJ, Han J, Wheeler M, Pongracic JA, Coté CJ, Hall SC: Do latex precautions in children with myelodysplasia reduce intraoperative allergic reactions? *J Pediatr Orthop* 1996; 16:799-802.
41. Coté CJ. Sedation for Procedures in Children. *Paediatr Perinat Drug Thera* 1997; 3-8.
42. Davis PJ, Lerman J, Suresh S, McGowan FX, Coté CJ, Landsman I, Henson LG: A randomized multicenter study of remifentanyl compared with alfentanil, isoflurane, or propofol in anesthetized patients undergoing elective strabismus surgery. *Anesth Analg* 1997; 84:982-989.
43. Eckmann DM, Seligman I, Coté CJ, Hussong JW: Mucormycosis Supraglottitis on Induction of Anesthesia in an Immunocompromised Host. *Anesth Analg* 1998; 86:729-730.
44. Coté CJ: Pediatric Premedication: From Disasters to Guidelines. *Am J Anesth* 1997; 24; 6-9.

45. Wheeler M, Roth AG, Dunham ME, Rae B, Coté CJ: A Bronchoscopic, Computer-Assisted Examination of the Changes in Dimension of the Infant Tracheal Lumen with Changes in Head Position: Implications for Emergency Airway Management. *Anesthesiology* 1998; 88:1183-1187.
46. Birmingham PK, Tobin MJ, Henthorn TK, Fisher DM, Berkelhamer MC, Smith FA, Fanta KB, Coté CJ: Twenty-four-Hour Pharmacokinetics of Rectal Acetaminophen in Children. An Old Drug with New Recommendations. *Anesthesiology* 1997; 87:244-252.
47. Stevenson GW, Tobin MJ, Horn BJ, Sautel M, Chen EH, Hall SC, Coté CJ. The effect of circuit compliance on delivered ventilation with use of an adult circle system for time cycled volume controlled ventilation using an infant lung model. *Paediatr Anaesth* 1998; 8:139-144.
48. Dsida RM, Wheeler M, Birmingham PK, Henthorn TK, Avram MJ, Enders-Klein C, Maddalozzo J, Coté CJ. Premedication of pediatric tonsillectomy patients with oral transmucosal fentanyl citrate. *Anesth Analg* 1998; 86:66-70.
49. Mazurek AJ, Rae BR, Hann SJ, Kim JI, Castro BA, Coté CJ. Rocuronium Versus Succinylcholine: Are They Effective During Rapid-Sequence Induction of Anesthesia? *Anesth Analg* 1998; 87:1259-1262.
50. Karl HW, Coté CJ, McCubbin MM, Kelley M, Liebelt E, Kaufman S, Burkhart K, Albers G, Wasserman G. Intravenous Midazolam for Sedation of Children Undergoing Procedures: An Analysis of Age and Procedure-Related Factors. *Pediatr Emerg Care* 1999; 15:167-172.
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18. Coté CJ. Patient Safety and Scented Pediatric Anesthesia Facemasks. *J Clin Anesth* 1997; 10:521-522.
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27. Przybylo HJ, Przybylo JH, Davis AT, Coté CJ. Acute Psychosis after Anesthesia: Clarithromycin Induced Antibiomania. Submitted, *Anesthesiology*.

Abstracts:

1. Coté CJ, Schwartz AJ, Jobes DR, Ellison N. A prospective random study of central venous catheter placement in children using two approaches to the internal jugular vein. Annual Meeting, American Society of Anesthesiologists, 1977:1534. Also presented at Annual Meeting, American Academy of Pediatrics, 1978.
2. Coté CJ, Greenhow DE, Marshall BE. The vasodilator response to intravenous administration of 25% mannitol. Annual Meeting, American Society of Anesthesiologists, *Anesthesiology* 1977:599-600.
3. Coté CJ, Shelley WC. Metabolic acidosis after frozen blood administration. Presented at Spring Meeting, Section on Anesthesiology, American Academy of Pediatrics, 1980.
4. Goudsouzian NG, Coté CJ, Dedrick DF, Liu LMP. Oral cimetidine for prophylaxis against acid-aspiration in children. Annual Meeting, American Society of Anesthesiologists, 1980. *Anesthesiology* 1980; 53(35): 337.
5. Coté CJ, Goudsouzian NG, Szyfelbein SK, Liu LMP. Gastric volume and pH: comparison in once- and multi-anesthetized children. Annual Meeting, American Society of Anesthesiologists, 1980. *Anesthesiology* 1980; 53(3S): 341.
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7. Liu LMP, Coté CJ, Goudsouzian NG, Dedrick DF, Vacanti FX. Response to intravenous induction doses of methohexital in children. Annual Meeting, American Society of Anesthesiologists, 1981. *Anesthesiology* 1981; 55(3A): 330.
8. Coté CJ, Ryan JF, Wood JB, Robinson MA, Vacanti FX, Welch JP. Wasted ventilation with eight anesthetic circuits used on children. Annual Meeting, American Society of Anesthesiologists, 1981. *Anesthesiology* 1981; 55(3A): 334.

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10. Coté CJ, Liu LMP, Szyfelbein SK, Goudsouzian NG, Ryan JF. Changes in serial platelet counts following massive blood transfusion in pediatric patients. Annual Meeting, American Society of Anesthesiologists, 1982. *Anesthesiology* 1982; 57(3A): 409. Also presented at Spring Session, Section on Anesthesiology, American Academy of Pediatrics, 1983.
11. Liu LMP, Coté CJ, Goudsouzian NG, Ryan JF, Firestone S, Dedrick DF. Life-threatening apneic episodes in infants during recovery from anesthesia. Annual Meeting, American Society of Anesthesiologists, 1982. *Anesthesiology* 1982; 57(3A): 410.
12. Goudsouzian NG, Liu IMP, Coté CJ, Savarese JJ, Gionfriddo M, Basta SJ, Rudd GD. Clinical pharmacology of atracurium (BW 33A) in adolescents anesthetized with halothane. Annual Meeting, American Society of Anesthesiologists, 1982. *Anesthesiology* 1982; 57(3A): 414.
13. Coté CJ, Liu LMP, Welch JP, Szyfelbein SK, Firestone S, Goudsouzian NG, Durant J, Daniels AL, Ryan JF. The efficacy of end-tidal carbon dioxide measurement in pediatric patients. Presented at Spring Session, Section on Anesthesiology, American Academy of Pediatrics, 1984.
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16. Coté CJ, Liu LMP, Welch JP, Szyfelbein SK, Firestone S, Goudsouzian NG, Daniels AL. The efficacy of end-tidal carbon dioxide measurement in pediatric patients. Annual Meeting, American Society of Anesthesiologists, 1984. *Anesthesiology* 1984; 61:162.
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47. Birmingham PK, Tobin MJ, Fanta KB, Berkelhamer M, Smith FA, Henthorn TK, Coté CJ. 24 Hour pharmacokinetics of rectal acetaminophen in children: An old drug with new recommendations. Presented at the Annual Meeting, American Society of Anesthesiologists, 1995. *Anesthesiology* 1995; 83:A1127.

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52. Dsida RM, Wheeler M, Birmingham PK, Henthorn TK, Avram MJ, Klein C, Coté CJ. A kinetic comparison: intravenous vs. oral transmucosal fentanyl in tonsillectomy patients. Presented at the Annual Meeting, American Society of Anesthesiologists, New Orleans, LA, 1996. *Anesthesiology* 1996; 85:A1073.
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56. Stevenson GW, Tobin MJ, Horn BJ, Chen EH, Hall SC, Coté CJ. Effects of circuit compliance on delivered ventilation with adult circle system for time-cycled volume controlled infant ventilation. Presented at the Society for Pediatric Anesthesia, Section on Anesthesiology, American Academy of Pediatrics Joint Meeting, February 1997.
57. Wheeler M, Roth AG, Dunham ME, Rae BR, Coté CJ. A bronchoscopic, computer-assisted examination of the changes in dimension of the infant tracheal lumen with changes in head position. Presented at the Annual Meeting, American Society of Anesthesiologists, 1997. *Anesthesiology* 1997; 87:A1071.
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63. Mazurek AJ, Rae BR, Hann SJ, Kim JI, Castro BA, Coté CJ. Rocuronium has equal efficacy when compared with succinylcholine in “real life” rapid sequence induction in children. Presented at the Annual Meeting, American Society of Anesthesiologists, 1998. Anesthesiology 1998; 89:A1312.
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65. Birmingham PK, Wheeler M, Suresh S, Dsida RM, Rae BR, Obrecht J, Andreoni V, Heffner C, Hall SC, Coté CJ. Patient controlled epidural analgesia in children: Can they do it? Presented at the Annual Meeting, American Society of Anesthesiologists. Anesthesiology 1998; 89:A1167.
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67. Martini DR, Mazurek AJ, Przybylo HJ, Coté CJ, DeMille A, Janies K, Johnsen L, Bracy E, Acasio FP. Postoperative delirium in children following administration of inhalation anesthetics. Presented at the Annual Meeting, Society of Biological Psychiatry, Washington, DC, May 15, 1999.
68. Suresh S, Palmer JS, Birmingham PK, Firlit CS, Coté CJ. Continuous epidural analgesia for postoperative pain management in pediatric renal transplant patients. Presented at the Annual Meeting, American Urological Association, September 1999.
66. Stevenson GW, Tobin MJ, Horn BJ, Hall SC, Coté CJ. A comparison of the Drager GS vs. Drager 6000 for infant ventilation. Presented at the Annual Meeting, American Society of Anesthesiologists, Anesthesiology 1999; 91:A1311.
67. Mazurek AJ, Przybylo HJ, Martini DR, DeMille A, Coté CJ. Emergence patterns following sevoflurane and halothane anesthesia in children. Presented at the Annual Meeting of the American Society of Anesthesiologists, Anesthesiology 1999; 91:A1299.
68. Suresh S, Barcelona SL, Young N, Heffner CL, Coté CJ. Postoperative pain management in children undergoing tympanomastoid surgery: is a local block better than intravenous opioid? Presented at the Annual Meeting, American Society of Anesthesiologists, Anesthesiology 1999; 91:A1281.
69. Suresh S, Palmer JS, Birmingham PK, Firlit CF, Coté CJ. Postoperative pain management in children undergoing renal transplantation: Is a continuous epidural analgesic technique acceptable? Presented at the Joint Meeting by the Society for Pediatric Anesthesia and the American Academy of Pediatrics – Section on Anesthesiology. Sanibel Harbor Resort & Spa, February 2000, Fort Myers, FL.

70. Suresh S, Barcelona S, Young N, Heffner C, Coté CJ. Postoperative pain management in children undergoing tympanomastoid surgery: is a local block better than intravenous opioid? Presented at the 5th International Symposium on Paediatric Pain, Glasgow, UK.
71. Denman WT, Goudsouzian NG, Kaplan R, Coté CJ, Ginsberg B. Duration of action of intramuscular rocuronium and rapacuronium in children and infants. Presented at the Joint Meeting, Society for Pediatric Anesthesia and The American Academy of Pediatrics – Section on Anesthesiology, Sanibel Harbor Resort & Spa, February 2000, Ft. Myers, FL.
72. Barcelona SL, Vilich F, Coté CJ. Comparison of flow rates and warming capabilities of the Level 1 and rapid infusion system with various size intravenous catheters. Presented at the Annual Meeting, American Society of Anesthesiologists, 2000.
73. Martini DR, Mazurek AJ, Przybylo HJ, Coté CJ, Day J, Janies K, Johnsen L, Bracy E, Acasio FP. Postoperative delirium in children following administration of inhalation anesthetics. Poster Presentation, Academy of Psychosomatic Medicine, 2001.
74. Suresh S, Barcelona SL, Young NM, Heffner CL, Coté CJ: Great auricular nerve block for tympanomastoid surgery: Is there a role for preemptive analgesia? Accepted, International Anesthesia Research Society, 2002.
75. Przybylo HJ, Martini RD, Mazurek AJ, Coté CJ. Emergence behavior in children: reliability between assessments of anesthesiologists and PACU nurses. Poster Presentation, Society for Pediatric Anesthesia, 2002.
76. Wheeler M, Roth AG, Heffner C, Coté CJ: Teaching flexible fiberoptic intubation of infants and children: does a videoscope system improve skill acquisition? Poster presentation, Society for Pediatric Anesthesia, 2002.
77. Roth AG, ter Rahe C, Rae B, Dsida RM, Wheeler M, Przybylo HJ, Coté CJ, et al. Old versus new needle retractable IV catheters: are they really safer and whom are they protecting? Poster presentation, Society for Pediatric Anesthesia, 2002.
78. Wheeler M, Birmingham PK, Heffner C, Coté CJ. Pharmacokinetics of orally administered intravenous fentanyl in children undergoing general anesthesia. Poster presentation, Society for Pediatric Anesthesia, 2002.
80. Suresh S, Wheeler M, Patel A, Coté CJ. Serial supraorbital and supratrochlear nerve blocks for the management of persistent frontal headaches in adolescents. Poster presentation, Society for Pediatric Anesthesia, 2002.
79. Birmingham PK, Wheeler M, Suresh Santhanam, Hall SC, Coté CJ. Parent/nurse controlled epidural analgesia in children: can they do it? Presented at the Annual Meeting of the American Society of Anesthesiologists. *Anesthesiology* 97:A1215, 2002.
80. Wheeler M, Roth AG, Heffner CL, Coté CJ. Teaching flexible fiberoptic intubation of infants and children: does a videoscope system improve skill acquisition? Presented at the Annual Meeting of the American Society of Anesthesiologists, 2002.
81. Wheeler M, Birmingham PK, Heffner CL, Lugo RA, Coté CJ. Pharmacokinetics of orally administered intravenous fentanyl in children undergoing general anesthesia. Presented at the Annual Meeting of the American Society of Anesthesiologists. *Anesthesiology* 97:A1239, 2002.

82. Roth AG, Cohen IT, Coté CJ, Hannallah RS, Haberer LJ. Pharmacokinetics of intravenous Ondansetron Hydrochloride in infants 1 - 24 months of age: Are There Maturational Considerations? Presented at the Annual Meeting of the American Society of Anesthesiologists, 2002.
83. Roth AG, ter Rahe C, Rae BR, Dsida RM, Coté CJ. Old versus new needle-retractable IV catheters in pediatric patients: are they really safer and whom are they protecting? Presented at the Annual Meeting of the American Society of Anesthesiologists, 2002.
84. Barcelona SL, Roth AG, Coté CJ. Comparison of four pulse oximeters on pediatric patients during anesthesia and the initial phases of recovery: does the new generation offer an advantage? Presented at the Annual Meeting of the American Society of Anesthesiologists, 2002.
85. Przybylo HJ, Mazurek AJ, Martini DR, Day J, Coté CJ. Emergence behavior in children: is it delirium or anxiety? Comparing assessments of pediatric psychiatrists, pediatric anesthesiologists and post-anesthesia care nurses. Presented at the Annual Meeting of the American Society of Anesthesiologists, 2002.
86. Suresh S, Finkel J, Wheeler M, Gayatri S, Coté CJ. A pharmacokinetic study of a needle-free transdermal patient-controlled analgesia (PCA) system in pediatric patients. Presented at the Annual Meeting of the American Society of Anesthesiologists, 2002.
87. Suresh S, Wheeler M, Patel AS, Coté CJ. Persistent frontal headaches in children, adolescents, and young adults: is there a role for serial supraorbital and supratrochlear nerve blocks? Presented at the Annual Meeting of the American Society of Anesthesiologists, 2002.
88. Suresh S, Patel AS, Dunham M, Heffner CL, Coté CJ. A randomized double-blind controlled trial of infraorbital nerve block versus intravenous morphine sulfate for children undergoing endoscopic sinus surgery: are postoperative outcomes different? Presented at the Annual Meeting of the American Society of Anesthesiologists, 2002.
89. Coté CJ, Wax D, Gorski C, Klippstein K, Heffner CL. End-Tidal Carbon Dioxide Monitoring in Children with Congenital Heart Disease During Sedation for Cardiac Catheterization. Poster Presentation, Society for Pediatric Anesthesia, 2004.

Invited Lectures and Visiting Professorships:

Local Lectures and Professorships:

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| 1980 | Harvard Medical School/Massachusetts General Hospital Postgraduate Course, Practical Aspects of Pediatric Anesthesia: "Anesthetic management of the pediatric patient for scoliosis surgery." |
| 1980 | Harvard Medical School/Massachusetts General Hospital/Massachusetts Eye and Ear Infirmary Postgraduate Course, Management of the Difficult Airway: A Lecture and Hands-On Workshop Program: "Developmental anatomy and physiology of the larynx"; "Management of the patient with a burned airway." |
| 1980 | Harvard Medical School Postgraduate Course, Management of the Difficult Airway: "Developmental anatomy and physiology of the larynx"; "Management of the patient with a burned airway." |
| 1981 | Harvard Medical School Postgraduate Course, Intensive Care of the Critically Ill Adult and Pediatric Patient: "Intensive care of the burned patient." |

- 1981 Harvard Medical School Postgraduate Course, Management of the Difficult Airway: "Developmental anatomy and physiology of the larynx"; "Management of the patient with a burned airway."
- 1982 Salem Hospital, Department of Anesthesiology: "Massive blood transfusions."
- 1982 Pediatric Intensive Care Unit, Massachusetts General Hospital: "Massive transfusion."
- 1982 Harvard Medical School Postgraduate Course, Intensive Care of the Critically Ill Pediatric Patient: "Intensive care of the burned pediatric patient."
- 1982 Harvard Medical School Postgraduate Course, Practical Aspects of Pediatric Anesthesia: "Massive blood transfusion"; "Developmental anatomy and physiology of the larynx."
- 1982 Harvard Medical School Postgraduate Course, Principles and Practice of Anaesthesia: A Review Course: "Overview of pediatric anesthesia."
- 1982 Beth Israel Hospital, Department of Anaesthesia Lecture Series, Boston, MA: "Massive blood transfusion, especially related to pediatric patients."
- 1982 University of Texas Medical Branch, Visiting Professor: "Anatomy and physiology of the pediatric larynx."
- 1982 Beth Israel Hospital, Department of Anaesthesia Lecture Series: "Overview of pediatric anesthesia."
- 1982 Mt. Auburn Hospital, Anesthesia Grand Rounds, Cambridge, MA: "An overview of pediatric anesthesia."
- 1983 Harvard Medical School Postgraduate Course, Intensive Care of the Critically Ill Adult and Pediatric Patient: "Massive transfusion in the pediatric patient."
- 1983 New England Medical Center, Department of Anesthesiology, Boston, MA: "Anatomy and physiology of the pediatric airway."
- 1983 Harvard Medical School Postgraduate Course, Practical Aspects of Pediatric Anesthesia: "Anesthesia for scoliosis surgery"; "Pediatric pharmacology of anesthetic agents."
- 1983 Harvard Medical School Postgraduate Course, Principles and Practice of Anaesthesia: A Review Course: "Overview of pediatric anesthesia."
- 1983 Harvard Medical School Postgraduate Course, Emergencies and Procedures in Pediatric Practice: "The obstructed pediatric airway."
- 1983 Harvard Medical School/Massachusetts Eye and Ear Infirmary Postgraduate Course, Practical Pediatric Otolaryngology: "Intubation tips"; Technical skill seminar, "The airway experience."
- 1984 Children's Hospital Medical Center, Department of Anesthesia, Boston, MA: "Anatomy and physiology of the pediatric airway."
- 1984 Beth Israel Hospital Anaesthesia Lecture Series: "Intravenous anesthetic agents."
- 1984 Children's Hospital of Pittsburgh, Department of Anesthesiology/Critical Care Medicine and Visiting Professor: "The pediatric airway"; "Massive transfusion."
- 1984 Harvard Medical School Postgraduate Course, The Critically Ill Patient: "Anesthetic management of the pediatric burn patient."
- 1984 Harvard Medical School Postgraduate Course, Practical Aspects of Pediatric Anesthesia: "Anatomy and physiology of the pediatric airway."
- 1984 Harvard Medical School Postgraduate Course, Pediatric Procedures: Multiple short lectures on the pediatric larynx with demonstrations of anatomical specimens.
- 1984 Harvard Medical School Postgraduate Course, ENT for the Pediatrician: "Intubation tips"; "Croup and epiglottitis."
- 1984 Didactic Lecture (Pediatric Anesthesia), Educational Unit, Massachusetts General Hospital: "Anatomy of the pediatric airway."
- 1984 Didactic Lecture (Care of Burn Patients), Educational Unit, Department of Anesthesia, Massachusetts General Hospital: "Anesthetic management of the burned child."
- 1985 Massachusetts Anesthesia Council on Education, The Massachusetts Society of Anesthesiologists Fall Symposium, Practical Concerns in Pediatric Anesthesia, Dedham, MA: "The pediatric airway"; "Pediatric pharmacology"; "Pediatric transfusion therapy."

- 1985 New England Medical Center, Department of Anesthesiology: "Anesthetic management of burned patients."
- 1985 Harvard Medical School Postgraduate Course, Intensive Care of the Critically Ill Pediatric Patient: "Transfusion therapy: What, when and how much?"
- 1985 Harvard Medical School Postgraduate Course, Practical Aspects of Pediatric Anesthesia: "Anesthesia equipment update"; "Pediatric pharmacology."
- 1985 Harvard Medical School Postgraduate Course, Pediatric Emergency Procedures: "Anatomy of the larynx."
- 1985 Massachusetts General Hospital Pediatric House Officers Advanced Cardiac Life Support Course: "Intubation of infants."
- 1986 New England Medical Center, Department of Anesthesiology: "Pediatric pharmacology."
- 1986 Massachusetts Anesthesia Counsel on Education, Massachusetts Society of Anesthesiologists Dinner Meeting: "Management of the difficult pediatric airway."
- 1986 Harvard Medical School Postgraduate Course, Practical Aspects of Pediatric Anesthesia: "Blood component therapy"; "Anatomy and physiology of the larynx."
- 1986 Harvard Medical School Postgraduate Course, Emergencies and Procedures in Pediatric Practice: "Anatomy of the pediatric airway."
- 1986 Case Conference, Department of Anesthesia, Massachusetts General Hospital; "Epiglottitis."
- 1986 Nursing Staff Lecture, Shriners Burns Institute: "Malignant hyperthermia."
- 1986 Lecture, Shriners Burns Institute: "Management of the burned airway."
- 1986 Emergency Medical Technician ATLS Workshop, Shriners Burns Institute: "Airway management."
- 1986 Case Conference, Department of Anesthesia, Massachusetts General Hospital: "Tracheoesophageal fistula."
- 1987 Case Conference, Department of Anesthesia, Massachusetts General Hospital: "Capnography."
- 1987 Research Lecture, Department of Anesthesia, Massachusetts General Hospital: "Epiglottitis and croup."
- 1987 Education Block, Pediatric Anesthesia, Department of Anesthesia, Massachusetts General Hospital: "Pediatric pharmacology."
- 1987 Education Block, Blood Transfusion, Department of Anesthesia, Massachusetts General Hospital: "Citrate toxicity, calcium infusion in children and adults."
- 1988 Harvard Medical School Postgraduate Course, Practical Aspects of Pediatric Anesthesia: "Physiologic and pharmacologic differences between the child and adult."
- 1988 Burn Symposium, Nursing Service, Shriners Burns Institute: "The pulmonary consequences of burn injury."
- 1990 Lecturer, Harvard Medical School, CME Anesthesia Review Course and Update 1990, "Pulse oximetry and capnography: What have we learned?"
- 1990 Lecturer, Harvard Medical School, CME Practical Aspects of Pediatric Anesthesia, "Anatomical differences between children and adults," "Problem cases," "Breathing circuits."
- 1990 Tufts University, Department of Anesthesia, Boston, MA, "The pediatric airway."
- 1990 Department of Anesthesia Research Forum, Massachusetts General Hospital, "Ionized calcium and the pediatric patient with thermal injury."
- 1990 Massachusetts Anesthesia Council on Education, Spring Symposium, St. Elizabeth's Hospital, Boston, "Anatomic differences between infants and adults."
- 1990 Lecturer, Department of Anesthesia, Salem Hospital, "Update -- What's new in pediatric anesthesia?"
- 1990 Massachusetts Anesthesia Counsel on Education Meeting, "Conscious sedation in pediatric patients undergoing radiologic and endoscopic procedures."
- 1991 The Children's Hospital, Boston. "Understanding Anesthesia Circuits."
- 1991 Massachusetts Counsel on Anesthesia, University of Massachusetts, Worcester, "Conscious sedation of the pediatric patient."

- 1991 Harvard Medical School, CME Practical Aspects of Pediatric Anesthesia, "NPO guidelines," "Transfusion therapy."
- 1991 Harvard Medical School, CME Anesthesia Review and Update, "Massive Transfusion," "The Burn Patient."
- 1992 Massachusetts General Hospital, Department of Anesthesia, "The pediatric airway."
- 1992 Harvard Medical School, Anesthesia Review and Update, "Massive transfusion."
- 1992 Harvard Medical School, Practical Aspects of Pediatric Anesthesia, "NPO guidelines."
- 1992 Department of Radiology, Massachusetts General Hospital, "Conscious sedation of the pediatric patient."
- 1992 Massachusetts Anesthesia Council on Education: Managing the difficult pediatric airway.
- 1993 Harvard Medical School, Anesthesia Review and Update, "Massive blood transfusion."

Moved to Chicago August 1993

- 1993 Combined Pediatric Surgery/Pediatric Anesthesia Conference CMH Grand Rounds, "Massive blood transfusion and alternative therapy."
- 1994 Cook County Hospital, Department of Anesthesiology, "Massive Blood Transfusion," "Anesthesia outside of the Operating Room."
- 1994 The Chicago Society of Anesthesiologists, The University of Illinois at Chicago, The International Trauma Anesthesia and Critical Care Society, "Intravenous and Intraosseous Access."
- 1994 Illinois Society of Anesthesiologists, "The Succinylcholine Controversy."
- 1994 Cook County Hospital, Department of Anesthesiology, "Anesthetic Management of the Pediatric Burn Patient" and "Pediatric Pharmacology."
- 1995 Annual Midwest Pediatric Anesthesia Meeting, "Massive Blood Transfusion in Infants and Children" and "Old vs. New Anesthetic Drugs and the Succinylcholine Controversy."
- 1995 Midwest Anesthesia Conference, Illinois Society of Anesthesiologists, "Outpatient Anesthesia for the Pediatric Patient."
- 1995 Rush Presbyterian-St. Luke's Hospital Anesthesia Grand Rounds, "Anesthesia for the child with burn injury"
- 1996 Cook County Hospital, Chicago, IL "Anesthesia in the Former Preterm Infant" and "New Versus Old Anesthetic Agents and Muscle Relaxants in Pediatrics: Do We Need to Change?"
- 1997 Midwest Anesthesia Conference (MAC), Post Anesthesia Care Symposium, Chicago, IL "Preparation and Induction Techniques for the Pediatric Patient."
- 1997 Illinois Masonic Medical Center, Visiting Professor, "Massive Blood Transfusion" "Pediatric Pharmacology" and "Preparing the Pediatric Patient and Family for the OR"
- 2000 Illinois Society of Anesthesiologists, Chicago, IL, "Pediatric Sedation"
- 2003 The University of Chicago, Department of Anesthesia and Critical Care, Guest Faculty, "Pediatric Sedation," Chicago, IL
- 2003 17th Annual Conference - Challenges for Clinicians in the New Millennium, the Drake Hotel, Chicago, IL

National Lectures and Professorships :

- 1980 11th Annual Anesthesiology Symposium, Department of Anesthesiology, Naval Regional Medical Center, Norfolk, VA: "Anesthetic management of the pediatric burn patient."
- 1982 University of Cincinnati Medical Center, Visiting Professor: Anesthesiology Lecture Series: "Anesthetic management of the burned child." Pediatric Residents Conference, Children's Hospital, and also the Cincinnati Society of Anesthesiologist's Meeting: "Massive blood transfusion of the pediatric patient." Professor's Hour with Anesthesia Residents: "Pediatric airways."
- 1982 Breakfast Panel, American Society of Anesthesiologists' Annual Meeting, Las Vegas, NV: "Anesthetic considerations for the neonate: the neonate with a history of apnea."
- 1982 Shriners Burns Institute, Galveston, TX: "The physiology of burns as related to children."

- 1982 Workshop, Management of the Pediatric Airway, American Academy of Pediatrics Annual Meeting, New York, NY: "Anatomy and function of the larynx, with specific comparisons between the adult and pediatric larynx."
- 1983 Pediatric Anesthesiology Conference, Geisinger Medical Center, Danville, PA: "Anesthesia for burned pediatric patients"; "Massive blood transfusion."
- 1983 Lecture/Workshop Presentation, Annual Spring Session, Anesthesiology Section, American Academy of Pediatrics, Philadelphia, PA: "Anatomy and physiology of the larynx and differences between infants and children."
- 1983 14th Annual Anesthesiology Symposium, Department of the Navy, Naval Regional Medical Center, Portsmouth, VA: "Massive blood transfusion in children"; "Anesthesia for the burned pediatric patient."
- 1983 18th Annual Refresher Course, Department of Anesthesiology, Upstate Medical Center, SUNY, Syracuse, NY: "Anatomic and physiologic considerations of the pediatric airway"; "Anesthetic pharmacology for pediatric patients."
- 1983 Annual Meeting, American Society of Anesthesiologists, Breakfast Panel: "The pharmacology of intravenous agents in children," and Workshop: "Aspiration pneumonia -- the use of cimetidine and antacids in children."
- 1983 Workshop, Management of the Pediatric Airway, Annual Meeting, American Academy of Pediatrics, San Francisco
- 1983 Naval Regional Medical Center, Visiting Professor: "Anesthesia for the burned child"; "Post-op apnea in premature infants."
- 1984 Hahnemann University Hospital, Visiting Professor: "The anesthetic management of burn patients"; "Massive blood transfusion."
- 1984 Workshops (two, three-hour), Pediatric Airway Problems, Annual Meeting, American Academy of Pediatrics, Chicago
- 1984 Children's Hospital of Cincinnati, Department of Pediatrics, Visiting Professor: "The pediatric airway."
- 1984 Annual Meeting, American Dental Society of Anesthesiology, Cambridge, MA, Anesthesia Risk Management: "Considerations in the anesthetic management of children."
- 1984 Philadelphia Society of Anesthesiologists, Philadelphia, PA: "Pediatric pharmacology."
- 1984 22nd Clinical Conference in Pediatric Anesthesiology, Children's Hospital of Los Angeles, Los Angeles, CA: "Pediatric airway differences between adults and children"; "Muscle relaxants and anesthetic agents in infants and children"; "Massive blood transfusion in the pediatric patient."
- 1984 University Hospital, Pittsburgh University, Department of Anesthesia, Visiting Professor: "Management of burns."
- 1984 1984 World's Fair Anesthesia Update, New Orleans, LA: "Pediatric pharmacology of anesthetic agents."
- 1984 Fall Meeting, New England Society of Anesthesiologists, Chatham, MA: "Comfortable induction and emergence"; "Pediatric monitoring."
- 1984 Philadelphia Society of Anesthesiologists, Philadelphia, PA: "Pediatric pharmacology."
- 1985 Baylor University, Department of Anesthesia, Visiting Professor: "Massive blood transfusion."
- 1985 Hospital of the University of Pennsylvania and Children's Hospital of Philadelphia, Visiting Professor: "The anesthetic management of burned patients"; "Massive blood transfusion"; "Anesthesia for burns in children."
- 1985 Medical College of Virginia, Department of Anesthesiology, Monday Night Lecture Series, Richmond, VA: "Massive blood replacement."
- 1985 Society of Cardiovascular Anesthesiologists Meeting on Current Concepts in Thoracic Anesthesia, Key West, FL: "Burns of the airway and thorax."
- 1985 13th Annual Postgraduate Seminar in Anesthesia, University of Cincinnati Medical Center, Cincinnati, OH: "Pharmacology of commonly used agents in pediatric anesthesia"; "Anesthetic management for the pediatric patient."

- 1985 Postgraduate Course, Pediatric Anesthesia and Critical Care for the Clinician, Children's Hospital of Philadelphia, Lancaster, PA: "Massive blood loss"; "Thermal injuries."
- 1986 27th Annual New Jersey Postgraduate Anesthesia Seminar, New Jersey State Society of Anesthesiologists and Academy of Medicine of New Jersey, Cherry Hill, NJ: "A safe anesthetic approach to the sick neonate."
- 1986 Annual Midwest Pediatric Anesthesia Meeting, University of Illinois College of Medicine, Chicago, IL: "The pediatric airway"; "Pediatric pharmacology"; "Induction techniques in infants and children"; "Massive blood transfusion"; "The child with burns"; "The child with apnea and respiratory distress."
- 1986 Annual Symposium, Pediatric Anesthesia Update, Maryland/DC Society of Anesthesiologists, Gaithersburg, MD: "The child with a difficult airway."
- 1987 Children's Orthopaedic Hospital Seattle Washington, Department of Anesthesia, Visiting Professor: "Physiology of burn injury: anesthetic considerations"; Resident seminar.
- 1987 25th Annual Clinical Conference in Pediatric Anesthesiology, Children's Hospital of Los Angeles: "Problems of massive blood transfusion"; "Practical pharmacology of narcotics and sedatives in children"; "Controlled hypotension."
- 1987 Annual Meeting, Indiana Society of Anesthesiologists, Indianapolis, IN: "Anesthetic management of the pediatric burn patient."
- 1988 George Washington University, Department of Anesthesia, Visiting Professor: "Massive blood transfusion."
- 1988 Children's Hospital National Medical Center, Washington DC, Visiting Professor: "Anesthesia for the burned child."
- 1988 Panel Session, Anesthesia for the Special Pediatric Patient, IXth World Congress of Anaesthesiologists, Washington, DC: "Rationale of blood transfusions in pediatric surgery."
- 1988 ASA Refresher Course, American Society of Anesthesiologists Annual Meeting, San Francisco, CA: "Induction and emergence techniques in pediatrics."
- 1988 ASA Panel on Controversies in Pediatric Anesthesia, American Society of Anesthesiologists Annual Meeting, San Francisco, CA: "Outpatient anesthesia for the ex premature infant."
- 1988 Panel Session, Hot Topics in Pediatric Anesthesia, New York Postgraduate Assembly, New York, NY: "Is the ex premature a candidate for outpatient anesthesia?"
- 1989 The University of Denver, Visiting Professor, "Pediatric pharmacology."
- 1989 The Children's Hospital of Denver, Visiting Professor, "Anesthesia for radiologic procedures."
- 1989 Orphan Drugs and the Pediatric Anesthesiologist, Joint Workshop, Committee on Drugs, American Academy of Pediatrics and the Food and Drug Administration, Bethesda, MD.
- 1989 American Society of Anesthesiologists, New Orleans, LA: "Anesthesia for the child with apnea."
- 1989 Society for Pediatric Anesthesiologists, New Orleans, LA: "The use and abuse of fresh frozen plasma."
- 1989 ASA Refresher Course Lecture, American Society of Anesthesiologists: "Anesthesia for the child in non-operating room locations."
- 1989 New York Postgraduate Assembly, New York, NY: "Anesthesia for Magnetic Resonance Imaging."
- 1989 The Denver Society of Anesthesiologists, "Monitoring the pediatric patient," "Induction techniques in pediatric anesthesia."
- 1990 Symposium in Honor of Dr. John J. Downes, The Children's Hospital of Philadelphia, "Anesthesia after John Downes: What does the future bring?"
- 1990 Visiting Professor, Montefiore Hospital and the Albert Einstein Medical Center, "Transfusion associated problems," "Anesthesia in non-operating room locations."
- 1990 40th Annual Postgraduate Symposium on Anesthesiology, University of Kansas Medical Center, Kansas City, KS, "Pediatric pharmacology and pharmacodynamics," "Induction techniques in the pediatric patient."
- 1990 American Academy of Pediatrics, "The ex-premie -- Does the ex-premie face increased risk?"

- 1990 Society of Pediatric Anesthesia Annual Meeting, "Anesthesia outside the operating room."
1990 Refresher Course, American Society of Anesthesiologists Annual Meeting, "How to manage the difficult airway." Panel, "Controversies in pediatric anesthesia."
1990 New York Post Graduate Assembly, "Anesthesia for emergency imaging outside the operating room."
1991 Anesthesia Update, 1991, University of California, San Diego, "Outpatient anesthesia for the pediatric patient," "Should we anesthetize the child with a cold?"
1991 6th International Dental Congress on Modern Pain Control, Washington DC, "Anatomic physiologic and psychologic considerations in the pediatric patient."
1991 Refresher Courses in Anesthesiology, Texas Tech University Health Sciences Center, Lubbock, TX. "Management of induction and emergence in children," "Pediatric anesthesia outside of the operating room."
1991 Midwest Anesthesia Conference, Illinois Society of Anesthesiologists, Chicago, IL, "Induction techniques in pediatrics," "Controversies in pediatric anesthesia."
1991 Refresher Course, Annual Meeting, American Society of Anesthesiologists, Lecture: "Premedication and NPO status: Pediatrics."
1991 Regional Refresher Course, American Society of Anesthesiologists, San Diego, "The pediatric airway," "Induction techniques in pediatric anesthesia."
1991 Visiting Professor, Rainbow Babies Hospital, Cleveland, OH, "Conscious sedation guidelines," "The pediatric airway."
1992 30th Annual Clinical Conference in Pediatric Anesthesiology, Children's Hospital of Los Angeles: "Anesthesia outside the operating room," "Massive blood transfusion," "Monitoring standards for sedated children," "The difficult airway."
1992 Department of Anesthesia, University of California, San Diego, Annual Review Course, "Pediatric fluids and physiology," "Common pediatric emergencies."
1992 Rhode Island Society of Anesthesiologists, "Anesthesia outside the operating room: The pediatric patient."
1992 Food and Drug Administration Scientific Education Program, Rockville, MD. "Pediatric anesthesia and the off-labelled use of drugs."
1992 Refresher Course, Annual Meeting, American Society of Anesthesiologists. "Changing concepts in preoperative medication and 'NPO' status of the pediatric patient."
1993 Emory University, "The Pediatric Airway," Eggleston Children's Hospital Pediatric Grand Rounds, "Sedation Guidelines."
1993 Children's Memorial Hospital, Chicago, IL, "Massive blood transfusion."
1993 American Academy of Pediatrics, Chicago, IL, "The ABCs of sedating the pediatric patient." 1993 Annual Review Course in Anaesthesia, McGill University, "Induction techniques in pediatric patients," "The difficult pediatric airway," "Pediatric outpatient anesthesia."
1993 Refresher Course, American Society of Anesthesiologists, "Premedication and NPO status: Pediatrics."
1993 Breakfast Panel, American Society of Anesthesiologists, "NPO status for outpatient anesthesia: Adults and pediatrics."
1993 Ohio Society of Anesthesiologists "Premedication of the pediatric patient," and "What's new in fasting."
1993 New York Post Graduate Assembly, "Anesthesia for MRI."
1994 Food and Drug Administration, Panel on Pediatric Sedation, "The History of Pediatric Sedation and the American Academy of Pediatrics Sedation Guidelines."
1994 Connecticut Society of Anesthesiologists, "Anesthesia Outside of the Operating Room"
1994 American Academy of Pediatrics, Section on Anesthesiology, Panel on Sedation, "Pediatric Sedation Guidelines."
1994 Midwest Anesthesia Society, "Blood Transfusion Therapy."

- 1994 Albert Einstein College of Medicine, Montefiore Medical Center, "Massive Blood Transfusion" and "Airway Problems in Pediatrics."
- 1994 Food and Drug Administration, Panel on Anesthetic and Life Support Comments on Succinylcholine in Pediatrics.
- 1994 The University of Texas Southwestern Medical Center at Dallas, Pediatric Anesthesia 1994, ""The Case for Halothane (and Perhaps Isoflurane) in Children's Anesthesia--Is Newer Necessarily Better?" and "Pediatric Pharmacology and Pediatric Anesthesia--1994."
- 1995 The University of Texas Medical Branch at Galveston, "New Versus Old Anesthetic Agents and Muscle Relaxants in Pediatrics: Do We Need to Change?"
- 1995 University of Wisconsin-Madison, Madison, Wisconsin, "AAP Sedation Guidelines: Origins and Present Form" and "Anesthesia Outside the Operating Room."
- 1995 Nemours Children's Clinic, Jacksonville, Florida, "How to Manage the Difficult Pediatric Airway" and "Perioperative Implications of Congenital Syndromes."
- 1995 Portland Hospital, Portland, Oregon, "The Pediatric Airway" and "Pediatric Pharmacology With a Particular Emphasis on the Neonate."
- 1995 33rd Clinical Conference in Pediatric Anesthesiology Los Angeles Children's Hospital "Rocuronium: Am I Going to Want to Use it for my Pediatric Patients" and "The Evaluation Approval Process: How Does a Drug get Labeled for Pediatric Use - Dose it Matter?"
- 1995 Society for Pediatric Anesthesia, "Halothane is Sufficient."
- 1995 University of Miami School of Medicine Ninth Annual Miami Review Course in Anesthesiology, "Outpatient Anesthesia for the Pediatric Patient" and "Anesthetic Management of the Pediatric Burn Patient."
- 1995 Bay Area Pediatric Anesthesia Consortium (BAYPAC), Children's Hospital, Oakland, California "AAP Sedation Guidelines: Origins and Present Form" and "New Versus Old Anesthetic Agents and Muscle Relaxants in Pediatrics: Do We Need to Change?"
- 1995 Anesthesiology Update Course, Lloyd Noland Hospital, Fairfield, Alabama, "Pediatric Anesthesia Away from the Operating Room, "How to Manage the Difficult Pediatric Airway" and "The Child with Burn Injury."
- 1995 Society for Pediatric Anesthesia, Atlanta, Georgia, "Sedation Should Be Performed by an Anesthesiologist."
- 1995 Refresher Course, Annual Meeting, American Society of Anesthesiologists, "Preoperative Preparation of the Pediatric Patient."
- 1995 Panel Lecture, Annual Meeting, American Society of Anesthesiologists. "Sedation Protocols Outside the Operating Room."
- 1995 Panel Lecture, Annual Meeting, American Society of Anesthesiologists. "Pediatric Emergencies of the Gastrointestinal System."
- 1995 Panel Lecture, Radiologic Society of North America, "The AAP Sedation Guidelines" and "Sedation Accidents."
- 1995 University of Washington, Anesthesia Grand Rounds, "Sedation Disasters, Adverse Events in Pediatric Sedation"
- 1995 Children's Hospital, Seattle, Washington, "The Drug Approval Process" and "Update on Neonatal Apnea"
- 1996 Fifth Annual Mayo Clinic Conference, Amelia Island, Florida, "The Use of Old Versus New Anesthetic Drugs and Muscle Relaxants in Pediatric Patients."
- 1996 Annual Society for Ambulatory Anesthesia (SAMBA) Meeting, Boston, Massachusetts, "The Ex-preemie: New Approaches for Selection and Management."
- 1996 American Society of Anesthesiologists Regional Refresher Course, San Francisco, California "Preparation and Premedication of the Pediatric Patient" and "How to Manage a Difficult Pediatric Airway."
- 1996 Refresher Course, Annual Meeting, American Society of Anesthesiologists, New Orleans, LA, "Preoperative Preparation of the Pediatric Patient."

- 1997 American Association of Oral & Maxillofacial Surgeons, Midwinter Conference, Chicago, IL "Sedation Accidents."
- 1997 The Nemours Children's Clinic 3rd Annual Pediatric Anesthesia for the General Anesthesiologist, Amelia Island, Florida, "How to Manage the Difficult Pediatric Airway," "Pediatric Anesthesia away from the OR" and "New Versus Old Anesthetic Agents and Muscle Relaxants in Pediatrics: Do We Need to Change?"
- 1997 Scott and White 3rd Annual Santa Fe Symposium in Anesthesiology, Santa Fe, New Mexico "Preparation and Premedication of the Pediatric Patient," "Sedation for Children Outside the Operating Room" and "How to Manage the Difficult Pediatric Airway."
- 1997 American Society of Anesthesiologists Refresher Course/Clinical Update Program, San Diego, CA, "Preoperative Assessment Preparation of the Pediatric Patient"
- 1997 California Society of Anesthesiologists, Inc. Hawaiian Seminar, Kauai, Hawaii, "Massive Blood Transfusion and the Pediatric Patient," "Pediatric Pharmacology," "Management of the Pediatric Airway" and "Anesthesia for the Child with Burn Injury."
- 1998 Dannemiller Memorial Education Foundation, Pediatric Anesthesia by the Book Meeting, Flamingo Hilton Hotel, Las Vegas, Nevada, "Inhalation Agents, Emergence, and Extubation," "Anesthesia and Sedation Outside the OR" and "Common Sense Approach to Blood Transfusion."
- 1998 Massachusetts Anesthesia Council on Education, Inc. (MACE), Pediatric Anesthesia Update for the General Practice Anesthesiologist, Allan Riddle Conference Center, Newton Wellesley Hospital, Newton Lower Falls, MA, "Lessons Learned from Sedation Mishaps" and "Halothane/Sevoflurane/Desflurane"
- 1998 Greater Houston Anesthesiology, P.A., Houston, TX, Conference on Practical Pediatric Anesthesia - How Will It Affect my Practice? "Preoperative Assessment of the Pediatric Patient"
- 1998 Memorial-Sloan Kettering Cancer Center, Visiting Professor, Department of Anesthesiology Combined Grand Rounds Lecture Series, New York, NY, "Preoperative Preparation of the Pediatric Patient."
- 1998 Anesthesia Grand Rounds, Boston Children's Hospital, Harvard Medical School, Boston, MA, "Hazards in Sedating Pediatric Patients"
- 1998 Harvard Medical School Continuing Education Course, Practical Aspects of Pediatric Anesthesia, Boston, MA, "Ketamine, Propofol - Who Should Use Them?"
- 1998 Grand Rounds and Resident Rounds, Massachusetts General Hospital, Harvard Medical School, Boston, MA, "Lessons Learned from Sedation Mishaps"
- 1999 Anesthesia for the 90's, Arizona Society of Anesthesiologists 25th Annual Scientific Meeting, Ritz Carlton, Phoenix, AZ, "Clinical Pharmacology of Anesthetic Drugs in Children," "Sedation of the Pediatric Patient-What Have We Learned from Clinical Mishaps?" and "Preparation, Premedication and Induction of Anesthesia in Children"
- 1999 Annual Meeting, Society for Pediatric Anesthesia & American Academy of Pediatrics, Section on Anesthesiology, Desert Inn, Las Vegas, Nevada, "Pro/Con: Do We Need Halothane?"
- 1999 American Academy of Pediatrics' Spring Session, Hyatt Regency, Chicago, IL, "Sedation Mishaps in Pediatric Patients, What Have We Learned?" and "Sedation Guidelines for the Practitioner"
- 1999 American Society of Anesthesiologists, Washington Legislative Conference, State Issues Forum-Office-Based Anesthesia Initiatives, JW Marriott, Washington, D.C.
- 1999 Refresher Course/Clinical Update Program, Annual Meeting, American Society of Anesthesiologists, Dallas TX, "Preparation, Premedication and Induction of Anesthesia in Children"
- 1999 Breakfast Panel, Section on Anesthesiology: American Academy of Pediatrics, Annual Meeting, American Society of Anesthesiologists, Dallas, TX, "Sedation Mishaps"
- 1999 Pediatric Anesthesia Clinical Forum, Annual Meeting, American Society of Anesthesiologists, Dallas TX
- 1999 Panel on Pediatric Emergencies, Annual Meeting, American Society of Anesthesiologists, Dallas TX, "Laparotomy for Gastroschisis"
- 2000 Refresher Course, Annual Meeting, Society for Pediatric Anesthesia, Sanibel Harbor Resort & Spa, Fort Myers, FL "Fluid and Blood Infusions in Kids"
- 2000 Annual Meeting, American Association of Neuroradiology (AANR), Hyatt Regional, Atlanta, GA, "Conscious Sedation for Imaging Procedures"

- 2000 Annual Society for Ambulatory Anesthesia (SAMBA), J.W. Marriott, Washington, D.C., "Sedation Disasters"
- 2000 ASA Refresher Course, American Society of Anesthesiologists Annual Meeting, San Francisco, CA, "Preparation, Premedication and Induction of Anesthesia in Children"
- 2000 American Academy of Pediatrics, Section on Emergency Medicine, Panel on Pediatric Sedation, McCormick Place, Chicago, IL
- 2001 Pediatric Anesthesiology 2001, Society for Pediatric Anesthesia, San Diego, CA, "Sedation Solutions: Potions, Practitioners, Policies"
- 2001 42nd Annual New Jersey Postgraduate Anesthesia Seminar, The Academy of Medicine of New Jersey, Atlantic City Convention Center and Sheraton Hotel. "Pediatric Perioperative Deaths-Why Do They Occur?"
- 2001 Keynote speaker, Pediatric Symposium, Dartmouth Hitchcock Medical Center, Hanover, NH, "Sedation Mishaps in Pediatric Patients-What Have We Learned?"
- 2001 Washington University in St. Louis School of Medicine, Grand Rounds Lecturer, Department of Anesthesiology, St. Louis, Missouri, "Sedation Accidents: Critical Incident Analysis"
- 2001 University of Rochester School of Medicine and Dentistry, Visiting Professor, Conscious Sedation Conference, Rochester, NY, "Sedation Complications: Avoidance and Management"
- 2001 ASA Refresher Course/Clinical Update Program, Annual Meeting, American Society of Anesthesiologists, New Orleans, LA, "Preparation, Premedication and Induction of Anesthesia in Children"
- 2001 Panel moderator 55th New York Post Graduate Assembly, New York, NY "Safety Issues in Pediatric Sedation" and "Sedation mishaps"
- 2002 Robert Wood Johnson Medical School, Visiting Professor, New Brunswick, NJ "Sedation Accidents and Implications for Office-Based Anesthesia"
- 2002 American Society of Dental Anesthesiologists, San Diego, CA "Preparing Children for Dental Anesthesia" and "Sedation Accidents: Implications for Dental Sedation and Anesthesia"
- 2002 American Dental Society of Anesthesiology, Richmond, VA "Preparing Children for Dental Anesthesia" and "Sedation and Office-Based Adverse Events: Implications for Anesthesia Practice"
- 2002 Mayo Clinic, Visiting Professor, Rochester, MN "Sedation Accidents in Office-Based Anesthesia" and Resident Case Discussions.
- 2002 Robert Wood Johnson Medical Center, University of Medicine & Medical Dentistry of New Jersey, New Brunswick, NJ, "Sedation Disasters in Pediatrics and Concerns for Office Based Practice"
- 2002 Visiting Professor, Anesthesiology Grand Rounds: "Preparation, Premedication, and Induction of Anesthesia in Children," CQI Clinical Conference, "Sedation and Anesthesia Accidents: One Day Surgicenters Versus Office-Based Anesthesia," The University of Alabama at Birmingham, Birmingham, AL.
- 2002 9th Annual Anesthesiology Update, "Sedation Disasters, the JCAHO and the Office," "The Difficult Pediatric Airway," and "Pediatric Pharmacology: Defining The Differences Between Adults And Children," Sea Pines Resort, Hilton Head, NC.
- 2002 ASA Refresher Course/Clinical Update Program, Annual Meeting, American Society of Anesthesiologists, Orlando, FL, "Preparation, Premedication and Induction of Anesthesia in Children"
- 2002 Breakfast Panel, American Society of Anesthesiologists' Annual Meeting, Orlando, FL, "Orienting: Sedation Guidelines – Where We Came From and How We Got Here!"
- 2002 Session Moderator, American Society of Anesthesiologists' Annual Meeting, Orlando, FL, "Perioperative Problems in Pediatric Anesthesia"
- 2002 Panel, American Society of Anesthesiologists' Annual Meeting, Orlando, FL, "Acute Airway Obstruction: Foreign Body, Epiglottitis, Laryngeal Papillomas"
- 2002 Visiting Professor, University of New Mexico, Albuquerque, NM, "Anesthesia for Burns" and "Sedation Disasters in Pediatric Patients – How Can We Reduce the Risk?"

- 2003 The University of Kansas 53rd Annual Postgraduate Symposium on Anesthesiology April 4-6, 2003, "Pediatric Sedation Accidents, Sedation Guidelines, and New Terminology," and "Preparing the Pediatric Patient for the OR," Fairmont on the Plaza
- 2003 The Missouri Society of Anesthesiologists 145th Missouri State Medical Association Annual Convention, Kansas City, April 6, 2003, "Pediatric Sedation Accidents, Sedation Guidelines, and New Terminology," Crown Center
- 2003 The University of Utah School of Medicine, Department of Anesthesiology Grand Rounds, "Sedation Accidents: Lessons Learned"
- 2003 The University of Utah School of Medicine, Ophthalmology Grand Rounds and Lectureship, "Outpatient Anesthesia/Surgery for Infants: What We Know and Don't Know"
- 2003 Wayne State University, Anesthesiology into the New Millennium IV Symposium, "Massive Blood Transfusion" and "Sedation Accidents Related to Sedation by Non-Anesthesiologists," Crystal Mount Resort, Thompsonville, Michigan
- 2003 Anesthesia Research Foundation, Workshop on Enteral Sedation in Dentistry, October 2-3, 2003, "Morbidity and Mortality Associated with Outpatient Sedation"
Panel Discussion - Balancing Efficacy, Safety, and Need and Demand for Sedation in Dental Outpatients, with Special Emphasis on the Pediatric Patient
- 2003 ASA Refresher Course/Clinical Update/Basic Science Review Program, Annual Meeting, American Society of Anesthesiologists, San Francisco, CA, "Preparation, Premedication and Induction of Anesthesia in Children"

International Lectures and Professorships:

- 1987 University of Basel, Department of Anesthesia, Visiting Professor: "Pediatric pharmacology"; "Blood transfusions in children."
- 1987 Sophia Children's Hospital, Rotterdam, The Netherlands, Department of Anesthesia, Visiting Professor: "The pediatric airway"; "Pediatric pharmacology."
- 1987 Dutch Society of Pediatric Anesthesiologists, Utrecht, The Netherlands: "Pediatric pharmacology."
- 1987 Pediatric Anesthesia Conference 1987, The Hospital for Sick Children and the University of Toronto, Toronto, Canada: "Coagulopathies with massive transfusions"; "Anesthesia for children with burns."
- 1988 The Montreal Children's Hospital, Visiting Professor: "Anesthesia for the pediatric burn patient"; "Monitoring the pediatric patient."
- 1989 The Paediatric Anaesthesia Conference, Hospital for Sick Children, Toronto, Ontario, Canada: "The acceptable hemoglobin for infants and children"; "Neonatal surgical emergencies"; "The innocent murmur."
- 1990 Visiting Professor, Vancouver Children's Hospital, "New advances in pediatric pulse oximetry and capnography."
- 1992 10th World Congress of Anesthesiologists, The Hague, The Netherlands, Refresher Course, "The suffocating child," "The diagnosis and solution of airway problems before and during anesthesia."
- 1992 Tracheal Intubation International Congress, University of Bordeaux II, Bordeaux, France, "Paediatric intubation," Workshop, "Adult and paediatric fiber optic intubation."
- 1994 Department of Anesthesia, University Kanton Hospital, Basel, Switzerland, "Airway management in infants and children," "Strategies for blood product management and blood salvage," Pediatric Grand Rounds, Children's Hospital, Basel, Switzerland, "Sedation principals for the pediatric patient."
- 1994 Department of Anesthesia, University Hospital, Munich, Germany, "The Pediatric Airway," "Massive Blood Transfusion."
- 1996 Vancouver Children' Hospital, Ontario, Canada, "New Versus Old Anesthetic Agents and Muscle Relaxants in Pediatrics: Do We Need to Change?," "Anesthesia in the Former Preterm Infant" and "Sedation Disasters in Pediatrics and American Academy of Pediatrics Monitoring Guidelines."

- 1996 Mexican Society of Anesthesiologists Annual Meeting, Mexico City, Mexico "Massive Blood Transfusion" and "Pediatric Pharmacology, Defining the Differences Between Adults and Children."
- 1996 Pediatric Satellite Meeting of the World Federation Societies of Anesthesiologists (WFSA), Melbourne, Australia "Pathophysiology of Subglottic Stenosis in the Pediatric Patient."
- 1996 The Royal Children's Alder Hey Hospital, Liverpool, England "Massive Blood Transfusion" and "Sedation for Procedures in Children."
- 1996 The Hospital for Sick Children, Great Ormond Street Hospital, London, England "Massive Blood Transfusions" and "Sedation Disasters in Pediatrics."
- 1997 Association of Paediatric Anaesthetists of Great Britain and Ireland Meeting, Royal Children's Hospital, Glasgow, Scotland "Auditing paediatric sedation" and "Preparation and Induction of the Pediatric Patient."
- 1997 The Royal College of Anaesthetists, Anniversary Forum, London, England "Preoperative preparation."
- 1997 Alberta Children's Hospital, University of Calgary, Paediatric Anaesthesia Retreat, Calgary, Alberta, Canada "Complications Associated with Procedural Sedation of Children."
- 1997 Scientific Committee of the XXIV Latin American Congress of Anesthesiology, Santiago, Chile "Difficult Airway Management in Children" and "Anesthetic Management of Pediatric Trauma Patients."
- 1998 Session Moderator, 10th European Congress of Anaesthesiology, Frankfurt, Germany.
- 1999 3rd International Course on Anesthesiology and Critical Care Medicine, Hospital Sírio Libanês, San Paulo, Brazil, "Anesthesia for the Preterm Infant," "How to Manage the Difficult Pediatric Airway," "Pediatric Pharmacology: Defining the Differences Between Adults and Children," "Massive Blood Transfusion and the Pediatric Patient," "Anesthesia for the Child with Burn Injury."
- 1999 Iwai Memorial Lecture, Japanese Society for Pediatric Anesthesia (JSPA), Tokyo, Japan, "Sedation Accidents in Children: What Have We Learned? and "Joy and Sorrow in Pediatric Anesthesia."
- 2000 12th World Congress of Anaesthesiologists, Montreal, QC, Canada, "Preoperative Preparation of the Child."
- 2001 The 2nd All Africa Anaesthesia Congress, Durban, South Africa, "Pediatric Perioperative and Sedation Associated Deaths-Why Do They Occur?"
- 2001 Postgraduate Anesthesia 2001, News and Controversies in Anesthesia, Santiago, Chile, "Massive Blood Transfusion," "Pediatric Pharmacology," "Anesthetic Management of the Neonate." Panelist, panel discussion on "Controversies in Pediatrics"
- 2002 The 16th International Winter Symposium, Meeting on Pediatric Anesthesia – Anesthesia at Remote Locations, Leuven, Belgium, "Preoperative preparation, NPO – orders and premedication." Moderator, panel discussion on "Litigation and pediatric anesthesia."
- 2002 Visiting Professor, University of Munster, Munster, Germany, "Preoperative preparation, NPO – orders and premedication."
- 2002 3rd International Symposium for Pediatric Anesthesia, Santiago de Chile, Chile, Nov. 30, 2002, "Sedation Accidents by Non-Anesthesiologists-How do we prevent them?"
- 2002 Podium Discussion: "The critically ill pediatric patient," 3rd International Symposium for Pediatric Anesthesia, Santiago de Chile, Chile, Nov. 30, 2002.
- 2002 Podium discussion: "How would you do it? Ask the experts," 3rd International Symposium for Pediatric Anesthesia, Santiago de Chile, Chile, Nov. 30, 2002.
- 2002 Visiting Professor, Regional Hospital Dr. Lautaro Navarro, Puento Arenas, Chile, Dec. 2, 2003, "Sedation Accidents by Non-Anesthesiologists-How do we prevent them?"
- 2002 Visiting Professor, Calvo McKenna Hospital, Santiago, Chile, "Massive Blood Transfusion"
- 2002 Canadian Anesthesiologists' Society 58th Annual Meeting 2002, Victoria, BC, "Sedation Disasters in Pediatrics and Concerns for Office-Based Practice."
- 2004 Visiting Professor, McGill University and Université de Montréal, 3rd Annual Joint Paediatric Anaesthesia Lecture, Montreal, Canada, "Pediatric Sedation Accidents, Sedation Guidelines and New Terminology: Where We Came from and Where We are now," "Pediatric Pharmacology: Defining The Differences Between Adults And Children," and "Anesthesia For The Child With Burn Injury."

CURRICULUM VITAE
Charles J. Coté, M.D.

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2004 Montreal Children's Hospital, Resident & Fellow Rounds, Montreal, Canada
2004 Hospital St. Justine, Resident & Fellow Rounds, Montreal, Canada

3/7/04